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Attorney Docket N^o PSU-100A

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Varghese, Mor, Paulose, and Grimes

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) Exr: Hoai an D NGUYEN

Serial No.: 10/817,354

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Confirm No. 3287

)

) Art Unit: 2858

Filed: 02 April 2004

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For: Titania Nanotube Arrays for use as Sensors and Method of Producing

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Mail Stop IDS & 1449

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT TRANSMITTAL

Sir:

Transmitted herewith, in connection with the above matter <no on-line IDS submitted concurrently>:

- ✓ An Information Disclosure Statement and Certification (2 pgs);
- ✓ Form PTO 1449 identifying references forwarded by applicants (1 pg);
- ✓ Copies, as required MPEP §609 III., of references listed on the enclosed Form PTO 1449.

Once again while it is believed no charge is due, please charge any additional fees or credit any overpayments in connection with this paper to Deposit Acct. N^o 02-0725, Macheledt Bales LLP.

Respectfully submitted this 18th day of April 2005,

Jean M. Macheledt

Macheledt Bales & Heidmiller LLP

Attorney for Assignee/Applicant(s)

Registration N^o 33,956

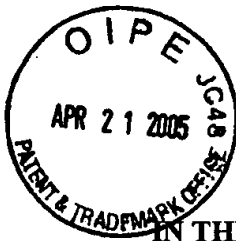
I hereby certify that this correspondence is being deposited with the US Postal Service under 37 CFR 1.8 with sufficient postage as US 1st class or 2nd-day Priority mail in an envelope addressed to:

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Jean M Macheledt

Printed Name

Signature



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INFORMATION DISCLOSURE STATEMENT and CERTIFICATION

Sir:

Pursuant to 37 C.F.R. §§ 1.51(b), 1.56, 1.97 and 1.98, this Information Disclosure Statement is submitted in the above-identified patent application. A list of documents to be published on the face of any patent granted from this application is submitted herewith on Form PTO-1449; these references have been forwarded by applicants. In the event any of the items listed on Form PTO 1449 have no specific month and/or date of publication identified: it is believed that the particular month and/or date of publication of these items is not of particular significance at this point in time; and by including these items herewith applicants do not, in any way, suggest that any of them bear a particular publication date that precedes the instant invention date. A copy of each non-U.S./foreign patent document, or each publication or portion thereof listed or herein identified, is being submitted herewith, *except that* a copy of any U.S. patent application identified herein or any patent, publication or other information listed herein cited or submitted in a prior application relied upon for an earlier filing date under 35 U.S.C. §§ 119 & 120, and hard copies of each U.S. patent and U.S. published patent app.¹ listed, are not being submitted herewith.

¹ See, MPEP § 609 III. A(2) **Legible Copies**. "...with the exception that copies of such U.S. patent documents [published U.S. patent apps. and U.S. patents] are not required if the IDS is electronically submitted via EFS or the IDS is filed in an application filed after June 30, 2003 or entered the national stage under 35 U.S.C. 371 after June 30, 2003 ..."

CERTIFICATION

_____ This Information Disclosure Statement is submitted within three months of (i) the filing date of the above-identified U.S. National Patent application, or (ii) the date of entry into the U.S. National Stage of the above-identified International Application, or (iii) the date of entry into the U.S. National Stage of the International Application that has been assigned the above-identified U.S. Patent application number, whichever applies.

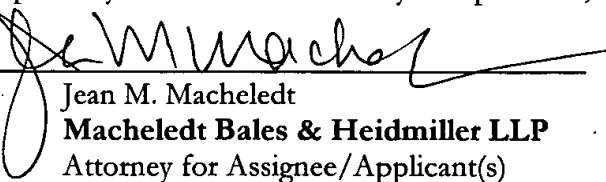
X This Information Disclosure Statement, and any associated *on-line* e-IDS, is being submitted *prior to the receipt* of the first Office Action *on the merits*² received by applicant(s) in the above-identified application.

_____ This Information Disclosure Statement is submitted after three months from (i) the filing date of the above-identified U.S. National Patent application, or (ii) after three months from entry into the U.S. National Stage of the above-identified International Application, or (iii) the date of entry into the U.S. National Stage of the International Application that has been assigned the above-identified U.S. Patent application number, whichever applies; and after the mailing date of the first Office Action on the merits of the above-identified application, but prior to issuance of the earlier of any Final Action or Notice of Allowance sent in such application. The certification under 37 C.F.R. § 1.97(e) is submitted separately or below, or the fee required under 37 C.F.R. § 1.97(c) and § 1.17(p) is submitted herewith.

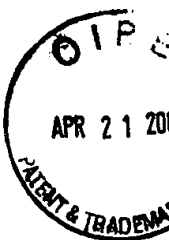
The Examiner is requested to acknowledge consideration of the information provided in this paper in accordance with prescribed procedures.

While it is believed no charge is due, please charge any additional fees or credit any overpayments in connection with this paper to Deposit Acct. N^o **02-0725, Macheledt Bales LLP**.

Respectfully submitted this 18th day of April 2005,


Jean M. Macheledt
Macheledt Bales & Heidmiller LLP
Attorney for Assignee/Applicant(s)
Registration N^o 33,956

² See, MPEP § 609 III. B(1)(a), Likewise, an information disclosure statement will be considered if it is filed later than 3 months after the application filing date but before the mailing date of a first Office action on the merits. An action on the merits means an action which treats the patentability of the claims in an application, as opposed to only formal or procedural requirements. An action on the merits would, for example, contain a rejection or indication of allowability of a claim or claims *rather than just a restriction requirement [emphasis added]* . . . or just a requirement for additional fees to have a claim considered . . .



Form PTO 1449 Reference Documents submitted 18 Apr-2005	ATTY. DOCKET NUMBER: PSU-100A	APPLICATION / SERIAL NUMBER: 10/817,354
U.S. Department of Commerce Patent and Trademark Office	APPLICANT(S): Oommann K. Varghese , Gopal Mor , Maggie Paulose , and Craig A. Grimes	
Information Disclosure Statement of both US & non-US patent refs	FILING DATE: 02 April 2004	GROUP ART UNIT: 2858

U.S. Patent Documents (listing submitted on-line: <none>)

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
	4,125,374	14-Nov-78	Bode, et al.	23	232	
	6,630,062	07-Oct-03	Anderson, et al.	204	429	
	6,596,236	22-Jul-03	DiMeo, Jr., et al.	422	88	
	6,344,271	05-Feb-02	Yadav, et al.	428	402	
	6,586,095	01-Jul-03	Wang, et al.	428	397	
	5,952,040	14-Sept-99	Yadav, et al.	427	126.3	
	6,202,471	20-Mar-01	Yadav, et al.	73	31.05	
	6,569,490	27-May-03	Yadav, et al.	427	58	
	6,535,658	18-Mar-03	Mendoza, et al.	385	12	
	6,120,835	19-Sept-00	Perdieu	427	125	
	6,006,582	28-Dec-99	Bhandari, et al.	73	23.2	
	5,451,920	19-Sept-95	Hoffheins, et al.	338	34	
	5,367,283	22-Nov-94	Lauf, et al.	338	34	
	6,605,266	12-Aug-03	Nesper, et al.	204	155	
	20030047505 A1	13-Mar-03	C. A. Grimes, et al.	210	483	13-Sept-01

Other Documents—listed for reference, a copy of each is enclosed.**

EXAMINER INITIAL	DOCUMENT DETAILS
	Gong, D., Craig A. Grimes, and Oomman K. Varghese, "Titanium oxide nanotube arrays prepared by anodic oxidation," <i>J. Mater. Res.</i> , Vol. 16, No. 12, Dec 2001
	Varghese, O. K., Dawei Gong, Maggie Paulose, Craig A. Grime, Elizabeth C. Dickey, "Crystallization and high-temperature structural stability of titanium oxide nanotube arrays," <i>J. Mater. Res.</i> , Vol. 18, No. 1, Jan 2003
	Zuttel, A., Ch. Nutzenadel, G. Schmid, Ch. Emmenegger, P. Sudan, L. Schlapbach, "Thermodynamic aspects of the interaction of hydrogen with Pd Clusters," <i>Applied Surface Science</i> , 162 – 163 (2000) 571 – 575
Examiner:	Date Considered:
<p><i>EXAMINER: Initial if citation is considered, whether or not citation is in conformance with MPEP 609; draw a line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</i></p>	